

**Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2013<sup>p</sup>**

Characteristic	Total fatal injuries	Total hours worked <sup>1</sup> (millions)	Fatal injury rate <sup>2</sup>
<b>Total</b>	4,405	268,127	3.2
<b>Employee Status:</b>			
Wage and salary workers <sup>3</sup>	3,513	251,637	2.7
Self-employed <sup>4</sup>	892	16,025	11.1
<b>Gender:</b>			
Men	4,101	151,645	5.2
Women	302	116,591	0.5
<b>Age Category:</b>			
18 to 19 years	53	3,806	2.4
20 to 24 years	268	22,561	2.1
25 to 34 years	754	59,946	2.4
35 to 44 years	820	60,055	2.7
45 to 54 years	1,071	63,905	3.3
55 to 64 years	890	44,912	3.9
65 years and over	534	11,764	8.8
<b>Race or ethnic origin<sup>5</sup>:</b>			
White (non-Hispanic)	2,995	177,818	3.2
Black or African-American (non-Hispanic)	414	28,021	2.9
Asian (non-Hispanic)	115	15,478	1.5
Hispanic or Latino	797	41,457	3.8
<b>Occupation<sup>6</sup>:</b>			
<b>Civilian Occupations</b>			
<b>Management, professional, and related occupations</b>	638	106,269	1.2
Management, business, and financial operations occupations	410	47,297	1.7
Management occupations	389	33,992	2.3
Farmers, ranchers, and other agricultural managers	220	2,004	21.8
Food service managers	34	2,394	2.8
Property, real estate, and community association managers	19	1,178	3.2
Business and financial operations occupations	21	13,276	0.3
Professional and related occupations	228	59,084	0.8
Architecture and engineering occupations	34	5,761	1.2
Life, physical, and social science occupations	23	2,521	1.8
Community and social service occupations	18	4,378	0.7
Education, training, and library occupations	19	14,371	0.3
Arts, design, entertainment, sports, and media occupations	50	4,943	1.9
Athletes, coaches, umpires, and related workers	20	425	8.9
Healthcare practitioners and technical occupations	59	15,404	0.7
<b>Service occupations</b>	624	43,329	2.7
Healthcare support occupations	18	6,007	0.6
Protective service occupations	247	6,225	6.8
Fire fighters	53	806	8.2
Police and sheriff's patrol officers	79	1,457	10.6
Security guards and gaming surveillance officers	57	1,575	7.0
Food preparation and serving related occupations	70	12,717	1.1
First-line supervisors of food preparation and serving workers	23	1,093	4.0
Building and grounds cleaning and maintenance occupations	242	9,497	5.0
First-line supervisors of landscaping, lawn service, and groundskeeping workers	39	502	15.5
Janitors and building cleaners	44	3,837	2.2

see footnotes at the end of table

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Characteristic	Total fatal injuries	Total hours worked <sup>1</sup> (millions)	Fatal injury rate <sup>2</sup>
Grounds maintenance workers	146	2,264	12.6
Personal care and service occupations	47	8,851	1.0
<b>Sales and office occupations</b>	281	59,770	0.9
Sales and related occupations	211	28,102	1.5
First-line supervisors/managers of retail sales workers	82	6,729	2.4
First-line supervisors/managers of non-retail sales workers	18	2,557	1.4
Cashiers	34	4,653	1.5
Retail salespersons	28	5,307	1.1
Office and administrative support occupations	70	31,695	0.4
<b>Natural resources, construction, and maintenance occupations</b>	1,399	25,679	10.7
Farming, fishing, and forestry occupations	225	1,886	23.1
Miscellaneous agricultural workers	121	1,335	17.2
Fishers and related fishing workers	27	72	75.0
Logging workers	59	127	91.3
Construction and extraction occupations	818	13,706	11.8
First-line supervisors/managers of construction trades and extraction workers	119	1,450	16.1
Carpenters	69	2,173	6.2
Construction laborers	215	2,410	17.7
Operating engineers and other construction equipment operators	23	745	6.2
Electricians	61	1,502	8.1
Painters, construction and maintenance	39	851	9.2
Pipelayers, plumbers, pipefitters, and steamfitters	37	1,035	7.1
Roofers	69	346	38.7
Mining machine operators	16	119	26.9
Other extraction workers	19	81	46.9
Installation, maintenance, and repair occupations	356	10,078	7.0
First-line supervisors/managers of mechanics, installers, and repairers	29	583	9.9
Automotive service technicians and mechanics	33	1,742	3.7
Bus and truck mechanics and diesel engine specialists	26	653	8.0
Heating, air conditioning, and refrigeration mechanics and installers	29	762	7.6
Industrial machinery installation, repair, and maintenance workers	27	932	5.8
Maintenance and repair workers, general	66	915	14.2
Electrical power-line installers and repairers	27	251	21.5
<b>Production, transportation, and material moving occupations</b>	1,394	33,122	8.4
Production occupations	210	16,406	2.6
First-line supervisors/managers of production and operating workers	27	1,558	3.5
Welding, soldering, and brazing workers	44	1,208	7.3
Transportation and material moving occupations	1,184	16,669	14.1
Aircraft pilots and flight engineers	63	241	50.6
Driver/sales workers and truck drivers	748	6,805	22.0
Taxi drivers and chauffeurs	53	650	15.7
Industrial truck and tractor operators	29	1,127	5.1
Laborers and freight, stock, and material movers, hand	93	3,104	6.0
Refuse and recyclable material collectors	33	200	33.0
<b>Industry<sup>7</sup>:</b>			
<b>Private industry</b>	3,929	231,220	3.4
<b>Goods producing</b>	1,733	53,929	6.4
<b>Natural resources and mining<sup>8</sup></b>	633	6,746	18.5
<b>Agriculture, forestry, fishing and hunting</b>	479	4,238	22.2
Crop production	210	1,898	21.4
Animal production	129	1,715	14.8
Logging	77	178	86.5
Fishing, hunting, and trapping	26	82	63.4

see footnotes at the end of table

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Support activities for agriculture and forestry	28	337	16.6
<b>Mining, quarrying, and oil and gas extraction</b>	154	2,508	12.3
Mining (except oil and gas)	39	530	14.7
Coal mining	19	192	19.8
Nonmetallic mineral mining and quarrying	17	234	14.5
Support activities for mining	103	1,695	12.2
<b>Construction</b>	796	16,972	9.4
<b>Manufacturing</b>	304	30,211	2.0
Food manufacturing	46	3,388	2.7
Wood product manufacturing	28	810	6.9
Chemical manufacturing	18	2,589	1.4
Nonmetallic mineral product manufacturing	31	846	7.3
Cement, concrete, lime, and gypsum product manufacturing	23	282	16.3
Primary metal manufacturing	17	1,062	3.2
Fabricated metal product manufacturing	47	2,229	4.2
Machinery manufacturing	25	2,536	2.0
Transportation equipment manufacturing	19	4,599	0.8
<b>Service providing</b>	2,196	177,003	2.4
<b>Trade, transportation, and utilities</b>	1,153	47,699	4.8
<b>Wholesale trade</b>	190	7,484	5.1
Merchant wholesalers, durable goods	107	3,587	5.9
Machinery, equipment, and supplies, merchant wholesalers	18	814	4.2
Recyclable material merchant wholesalers	20	223	17.9
Merchant wholesalers, nondurable goods	81	3,624	4.5
Groceries and related products, merchant wholesalers	21	1,746	2.4
<b>Retail trade</b>	253	27,936	1.8
Motor vehicle and parts dealers	41	3,961	2.1
Automobile dealers	25	2,699	1.9
Building material and garden equipment and supplies dealers	23	2,641	1.7
Food and beverage stores	46	5,326	1.7
Grocery stores	42	4,649	1.8
Gasoline stations	32	913	7.0
Miscellaneous store retailers	28	1,829	3.0
Nonstore retailers	23	999	4.6
<b>Transportation and warehousing</b>	687	10,477	13.1
Air transportation	24	1,013	4.7
Truck transportation	461	3,827	24.0
Transit and ground passenger transportation	59	1,120	10.5
Taxi and limousine service	47	533	17.6
Support activities for transportation	65	1,523	8.5
Couriers and messengers	27	1,325	4.1
Warehousing and storage	16	852	3.8
<b>Utilities</b>	23	1,802	2.4
<b>Information</b>	39	5,489	1.4
<b>Financial activities</b>	84	18,889	0.9
Finance and insurance	21	13,707	0.3
Real estate and rental and leasing	63	5,188	2.4
Real estate	47	4,462	2.1
Rental and leasing services	16	728	4.4
<b>Professional and business services</b>	408	31,046	2.6
Professional, scientific, and technical services	80	19,358	0.8
Architectural, engineering, and related services	31	2,913	2.1
Management, administrative, and waste services	328	11,694	5.6

see footnotes at the end of table

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Employment services	43	1,779	4.8
Investigation and security services	34	1,427	4.8
Services to buildings and dwellings (except landscaping services)	32	2,418	2.6
Landscaping services	153	2,370	12.7
Waste management and remediation services	49	913	10.7
<b>Educational and health services</b>	131	39,936	0.7
Educational services	31	7,551	0.8
Health care and social assistance	100	32,413	0.6
Ambulatory health care services	42	13,221	0.6
Hospitals	24	10,301	0.5
Social assistance	20	4,448	0.9
<b>Leisure and hospitality</b>	202	21,514	1.8
Arts, entertainment, and recreation	68	4,592	2.8
Performing arts, spectator sports, and related industries	34	1,380	4.8
Amusement, gambling, and recreation industries (except bowling centers)	28	2,925	1.8
Accommodation and food services	134	16,924	1.6
Accommodation	22	2,669	1.6
Food services and drinking places	112	14,278	1.6
Restaurants and other food services	80	13,893	1.2
Drinking places (alcoholic beverages)	32	378	16.4
<b>Other services (except public administration)</b>	179	12,429	2.6
Repair and maintenance	108	4,094	5.2
Automotive repair and maintenance (except car washes)	61	2,495	4.8
Personal and laundry services	32	4,056	1.5
Religious, grantmaking, civic, professional, and similar organizations	37	3,258	1.3
<b>Government<sup>9</sup></b>	476	37,095	2.0
Federal	124	6,700	1.7
State	70	11,486	1.2
Local	281	18,927	2.6

<sup>1</sup> The total hours worked figures are annual average estimates of total at work multiplied by average hours for civilians, 16 years of age and older, from the Current Population Survey (CPS), 2013.

<sup>2</sup> The rate represents the number of fatal occupational injuries per 100,000 full-time equivalent workers and was calculated as: (N/EH) x 200,000,000 where

N = the number of fatal work injuries

EH = total hours worked by all employees during the calendar year

200,000,000 = base for 100,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year)

<sup>3</sup> May include workers receiving other types of compensation.

<sup>4</sup> Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

<sup>5</sup> Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanics and Latinos.

<sup>6</sup> Based on the 2010 Standard Occupational Classification system.

<sup>7</sup> Based on the North American Industry Classification System (NAICS), 2007.

<sup>8</sup> Includes fatal injuries at all establishments categorized as Mining, Quarrying, and Oil and Gas Extraction (Sector 21) in the NAICS, including establishments not governed by the Mine Safety and Health administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

<sup>9</sup> Includes fatal injuries to workers employed by governmental organizations regardless of industry.

<sup>P</sup> Data for 2013 are preliminary. Revised and final 2013 data are scheduled to be released in spring 2015.

Note: Selected rate categories had 15 or more reported fatal work injuries in 2013 and 40 million or more work hours (20,000 full-time equivalent employees). Rates produced in prior years may not appear if they do not meet this threshold in 2013. Totals for major categories may include subcategories not shown separately. Figures may not add to totals because of rounding. Workers under the age of 16 years, volunteer workers, and members of the resident military are not included in rate calculations to maintain consistency with the CPS employment. The total fatal injuries column represents total published fatal injuries before the exclusions. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event.

Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries, 2014.